

CSC Adopted: October 2001 , CSC Revised: _____**Class Title: Electrician I****BRIEF DESCRIPTION OF THE CLASSIFICATION:**

Provides assistance to journeyman electricians as required. Maintains traffic signal lighting.

ESSENTIAL FUNCTIONS:

This information is intended to be descriptive of the key responsibilities of the classification. The following examples do not identify all duties performed by any single incumbent. Specific requirements of individual positions are described in the Job Description.

Physical Strength Code		ESSENTIAL FUNCTIONS
1	H	Assists journeymen electricians by pulling wire, installing conduit, changing ballasts and installing wiring devices.
2	H	Maintains traffic signal lighting by installing, constructing and performing maintenance on traffic signals, installing and repairing manholes, performing maintenance on city lights, repairing damage due to accidents, relocating cables and checking and repairing all loops while using a variety of tools and equipment.

CSC Adopted: October 2001 , CSC Revised: _____**CLASS REQUIREMENTS:**

CLASS REQUIREMENTS	
Formal Education / Knowledge	Work requires knowledge necessary to understand basic operational, technical, or office processes. Level of knowledge equivalent to four years of high school or equivalency.
Experience	Six months as an electricians assistant.
Certifications and Other Requirements	Valid Driver's License.
Reading	Work requires the ability to read and understand written instructions.
Math	N/A
Writing	N/A
Managerial	N/A
Budget Responsibility	N/A
Supervisory / Organizational Control	Job has no responsibility for the direction or supervision of others.
Complexity	Work involves choices of action within limits set by standard practices and procedures. Professional judgment is required to apply the proper course of action.
Interpersonal / Human Relations Skills	Contacts others within the organization. These contacts may involve similar work units or departments within the City which may be involved in decision making or providing approval or decision making authority for purchases or projects. Works with individuals outside the City who may belong to professional or peer organizations. Working with various state and federal agencies may also be required. Vendors and suppliers may also be called upon for information on purchases, supplies or products. Meetings and discussions may be conducted with customers, brokers and sales representatives.

CSC Adopted: **October 2001** , CSC Revised: _____**OVERALL PHYSICAL STRENGTH DEMANDS:**

Sedentary	Light	Medium	Heavy X	Very Heavy
S = Sedentary Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time	L = Light Exerting up to 20 lbs. occasionally, 10 lbs. frequently, or negligible amounts constantly OR requires walking or standing to a significant degree.	M = Medium Exerting 20-50 lbs. occasionally, 10-25 lbs. frequently, or up to 10 lbs. constantly.	H = Heavy Exerting 50-100 lbs. occasionally, 25-50 lbs. frequently, or up to 10-20 lbs. constantly.	VH = Very Heavy Exerting over 100 lbs. occasionally, 50-100 lbs. frequently, or up to 20-50 lbs. constantly.

PHYSICAL DEMANDS:

C = Continuously 2/3 or more of the time.	F = Frequently From 1/3 to 2/3 of the time.	O = Occasionally Up to 1/3 of the time.	R = Rarely Less than 1 hour per week.	N = Never Never occurs.
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This is a description of the way the job is currently performed; it does not address the potential for accommodation.

PHYSICAL DEMANDS	FREQUENCY CODE	DESCRIPTION
Standing	F	Ladders, on jobsite, installation of switches and receptacles, picking up materials/clean up detail
Sitting	O	Desk work
Walking	F	To/from various areas of building, on athletic field
Lifting	F	Hand tools, power tools, wiring, switches, small parts and equipment, ladder
Carrying	F	Hand tools, power tools, wiring, switches, small parts and equipment, ladder
Pushing/Pulling	F	Wires and cable
Reaching	F	Fixtures, ladders, hand tools, small parts and equipment
Handling	F	Hand tools, power tools, wiring, switches, small parts and equipment, ladder
Fine Dexterity	O	Small parts and equipment, writing
Kneeling	F	Installation of switches and receptacles
Crouching	F	Installation of switches and receptacles
Crawling	O	In ceilings and under buildings
Bending	F	Installation of switches and receptacles, picking up materials/clean up detail
Twisting	O	Installation of switches and fixtures
Climbing	O	Ladder, on heavy equipment
Balancing	N	
Vision	C	Color coding, reading, writing, installation of parts, fixtures, switches
Hearing	C	Co-workers, supervisor, machine or equipment noise
Talking	C	Co-workers, supervisor
Foot Controls	N	
Other (specify)	N	

CSC Adopted: **October 2001** , CSC Revised: _____**MACHINES, TOOLS, EQUIPMENT, AND WORK AIDS:**

Small hand tools including screwdriver, wrenches, hammer, wire cutting pliers, power tools

ENVIRONMENTAL FACTORS:

D = Daily	W = Several Times Per Week	M = Several Times Per Month	S = Seasonally	N = Never
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HEALTH AND SAFETY		ENVIRONMENTAL FACTORS		PRIMARY WORK LOCATION	
Mechanical Hazards	M	Dirt and Dust	D	Office Environment	--
Chemical Hazards	N	Extreme Temperatures	W	Warehouse	--
Electrical Hazards	W	Noise and Vibration	W	Shop	--
Fire Hazards	N	Fumes and Odors	M	Vehicle	--
Explosives	N	Wetness/Humidity	M	Outdoors	--
Communicable Diseases	N	Darkness or Poor Lighting	M	Other (see 2 below)	X
Physical Danger or Abuse	N				
Other (see 1 below)	N				

(1)

(2) City buildings, athletic fields

PROTECTIVE EQUIPMENT REQUIRED:

Hard hat, safety goggles/eye protection, safety shoes/boots

NON-PHYSICAL DEMANDS:

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NON-PHYSICAL DEMANDS	
Time Pressures	O
Emergency Situations	O
Frequent Change of Tasks	O
Irregular Work Schedule/Overtime	R
Performing Multiple Tasks Simultaneously	R
Working Closely with Others as Part of a Team	F
Tedious or Exacting Work	O
Noisy/Distracting Environment	R
Other (see 3 below)	N

(3)